



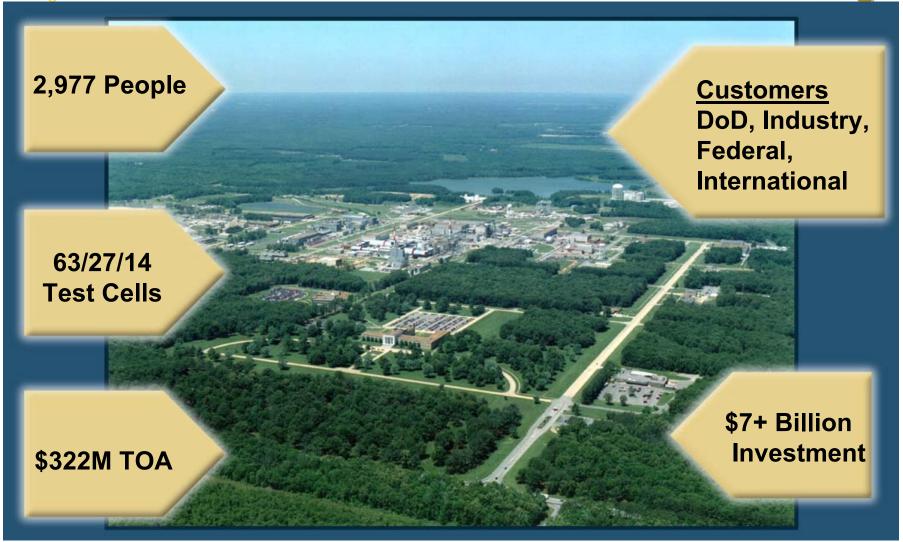
We Finished Reengineering --Now What?

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AEDC'S BUSINESS PROCESS REENGINEERING PROGRAM



- Five year program: phased, systematic replacement of ILS, HR, and financial management processes
- Supported by integrated Commercial Off-The-Shelf (COTS) Software Enablers
- Completed and implemented entire program in FY2001
- Still learning lessons ...



Before Reengineering



Functionally Stove Piped Enterprise

Independent Processes

Custom Applications

Independent Process/Apps. Decisions



Potential for Uninformed Decisions

Sub-Optimized Enterprise



REENGINEERING CHARTER



Process Focus

Vision - Available, reliable, competitive, and affordable Base and Test infrastructure that exceeds our customers needs

Objective - Implement an *efficient, non* bureaucratic logistics and business management system that enables the vision

GOAL: The right information to the right person at the right time!



After Reengineering



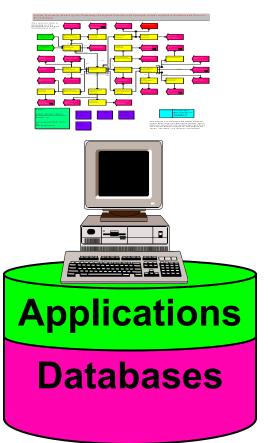


Integrated Processes

Integrated COTS
Applications = Enablers

Integrated Documentation





Integrated Enterprise Processes, Enablers, and Documentation



A SUCCESSFUL BPR PROGRAM GIVES YOU THE TOOLS TO ...



- Understand and thereby reduce costs
- Provide and sustain industry-proven, efficient business processes
- Provide fully integrated COTS/legacy systems (hardware and software) to capture essential transaction data
- Provide consistent, reliable data for process measurement and performance improvement
- Help you turn raw data into information and information into knowledge

BUT -- BPR success doesn't make it happen ...

FIRST LESSON: UNDERSTAND WHAT YOU BOUGHT

THE GOAL WAS: the right information to the right person at the right time

THE GOAL WAS NOT: automatic cost savings from deployment of new IT enablers and changed processes

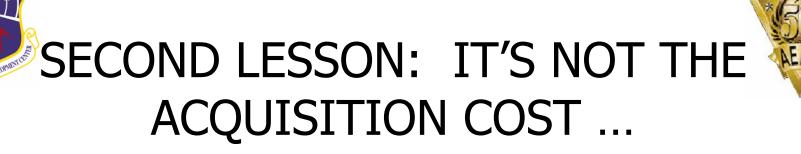




Unless you have data, you are



just another person with an opinion.



- Remember DSMC's PM Course?
 - Acquisition cost is only 20% of a weapons system life cycle cost
 - The O&M tail can be managed
- Your reengineered processes and enabling information technology tools are a single system of assets
- Life cycle asset management is critical to using the asset and gaining a return on your investment



LIFE CYCLE MANAGEMENT

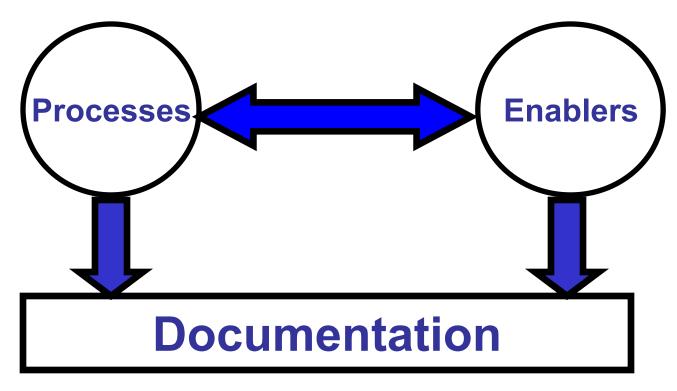


- You thought this was an issue only with weapons systems? Think again.
- Improved processes, software enablers, and and technical architecture are assets
- Assets have owners owners have responsibilities
- This system is as useless as an airplane at the factory
 - How will you deploy, employ, and support <u>your</u> system?
 - How will you manage upgrades and changes?



INTEGRATED SYSTEM





NO unilateral changes to any piece of the system.



AEDC'S SYSTEM: ENTERPRISE PROCESSES

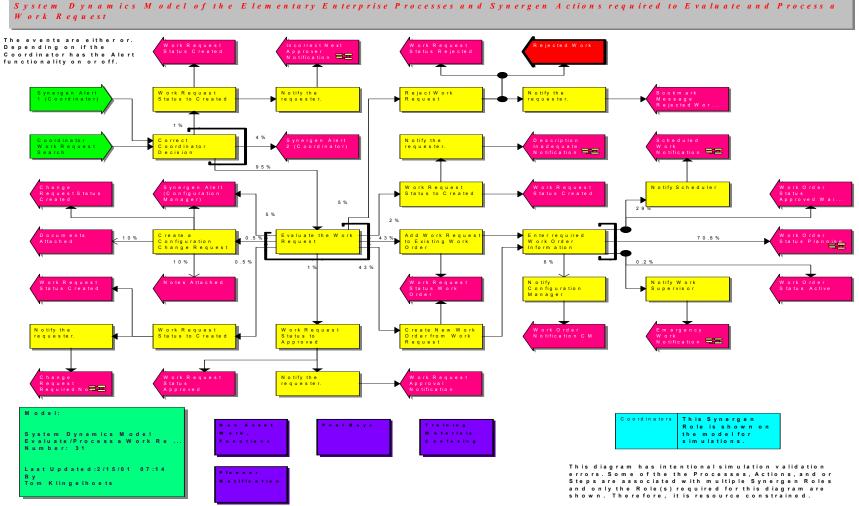


- Current Enterprise Processes:
 - ➤ EP1 Workflow and System Management
 - ➤ EP2 Material, Property, and Services
 - ➤ EP3 Configuration Management and the Asset Hierarchy
 - ➤ EP4 Manage Work*
 - ➤ EP5 Manage Finances*
- * Not Fully Developed; Lacking Definition, Documentation and Controls.



AEDC PROCESS COMPLEXITY





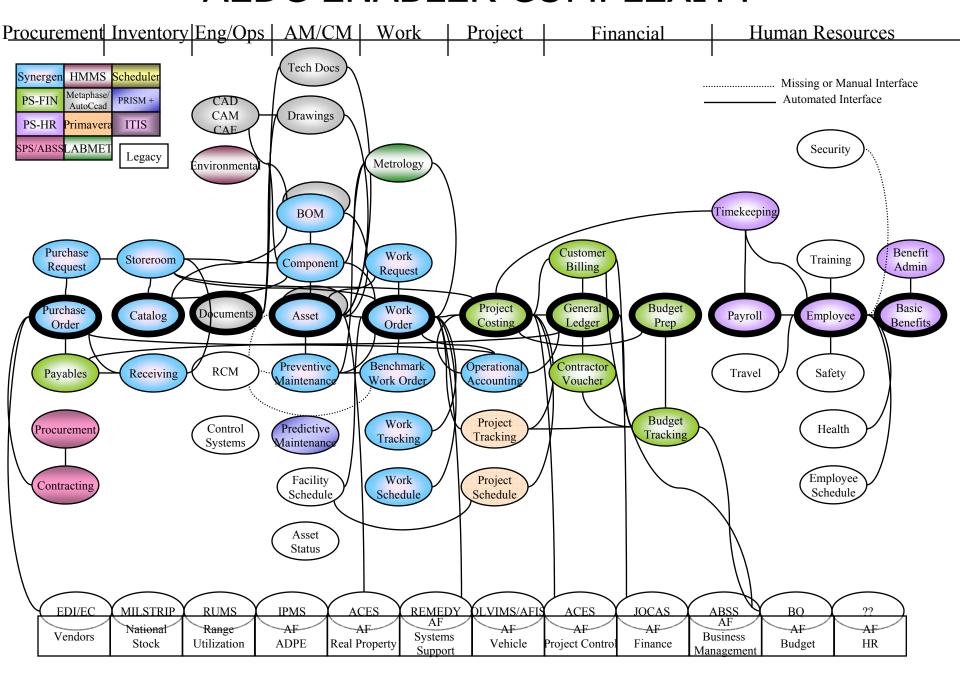


AEDC'S SYSTEM: ENABLERS



- Our enterprise software and associated interfaces are configured to enable us to perform our processes
- > AEDC's current enablers are:
 - Synergen Series
 - > PeopleSoft HRMS
 - PeopleSoft Financials
 - Primavera
 - Metaphase
 - ➤ OM2
 - ➤ Matrix 1
 - Mandated and legacy systems

AEDC ENABLER COMPLEXITY



AEDC'S SYSTEM - DOCUMENTATION



- Process Configuration Documents
 - User's Guide
 - Policies
 - Procedures
 - Participant Roles and Responsibilities
- Enabler Configuration Xocuments
 - Software Version
 - Interfaces
 - Software Configuration Code Tables ("what" we need to enter).
 - Business Rules ("who" enters it and "when").
 - Reports/Queries (to extract the information we require, the "end").
- Training Materials (for Processes and Software)



INTEGRATED SYSTEM 0&M

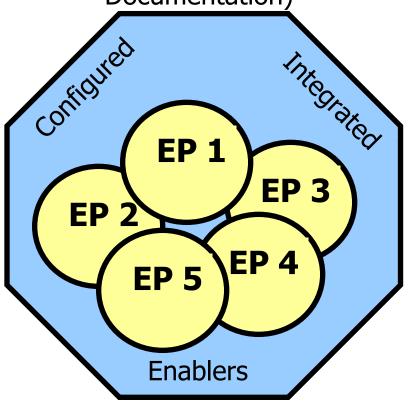
1951 2001 AEDC

❖Controls

- Compliance Measures
- Management Emphasis
- Performance Indicators
 - Management Focus
 - Customer Feedback
 - ❖ Performance Measures
- System Improvement
 - Management Direction
 - **❖**ROI
 - Utilize System

Enterprise System

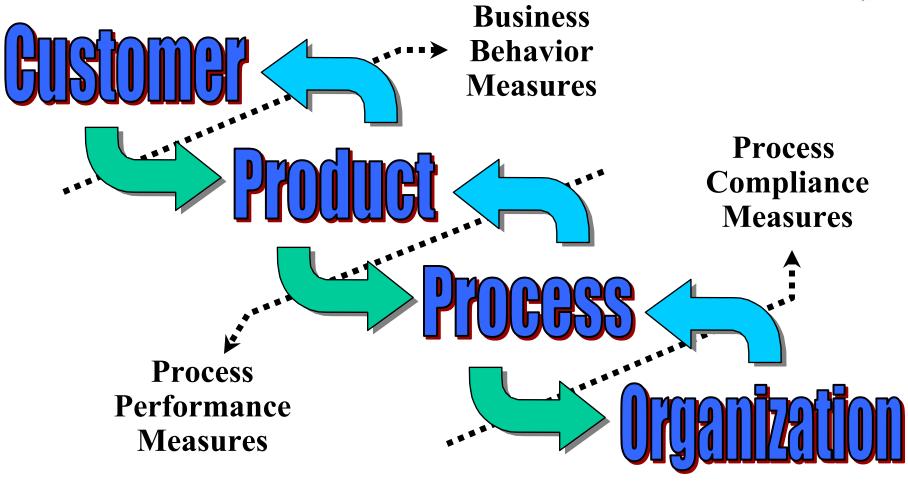
(Processes, Software, Interfaces, and Documentation)





WHAT DRIVES CHANGES?







INTEGRATED SYSTEM O&M

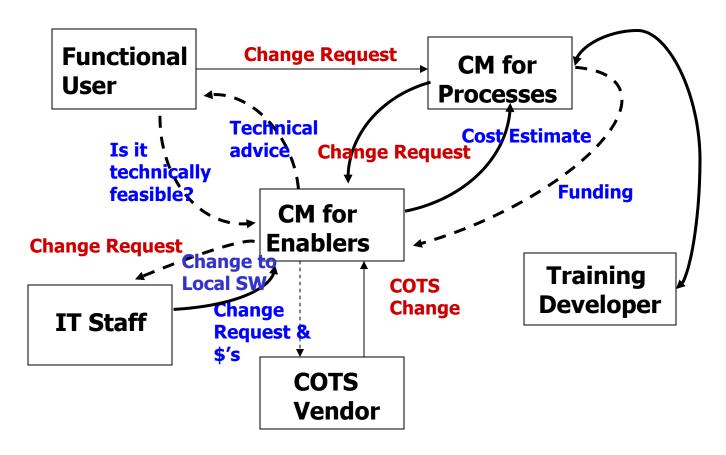


- No process is an island evaluate all proposed changes for impact to the <u>system</u>
- Evaluate total costs and ROI <u>before</u> approval
- Deployment of new/upgraded COTS packages
 - Software-driven process improvements evaluated
 - Timing coordinated with other releases
 - Technical architecture impact assessed
 - Interfaces understood and designed
- Drives informed decisions vs. management desires



MANAGING CHANGES TO PROCESSES & SOFTWARE







MANAGING THE SYSTEM



- Model the system
 - Processes and enablers equally important
 - Integrated processes + integrated enablers = integrated system
 - We're using CASEwise™ Corporate Modeler there are others
- Measure the system
 - Process compliance (are we using them?)
 - Process performance (how well are they working?)
 - How much will it cost/save to improve them?



WHAT WE'VE ACHIEVED:



- We implemented improved and integrated processes and enablers – as a system
- We implemented a way to manage the improved processes and their enablers
 - To understand them as a system, and make changes when the ROI makes sense
 - To reduce LCC of enabler maintenance
- We implemented a way to measure compliance with the new processes, as well as performance of the processes themselves
- So what's next?







NO savings come from installing new software or hardware – only from implementing, using, and supporting improved processes and their enablers, to give you the management info you need to make cost-saving decisions





"The end of the beginning ..."